

Figure 1

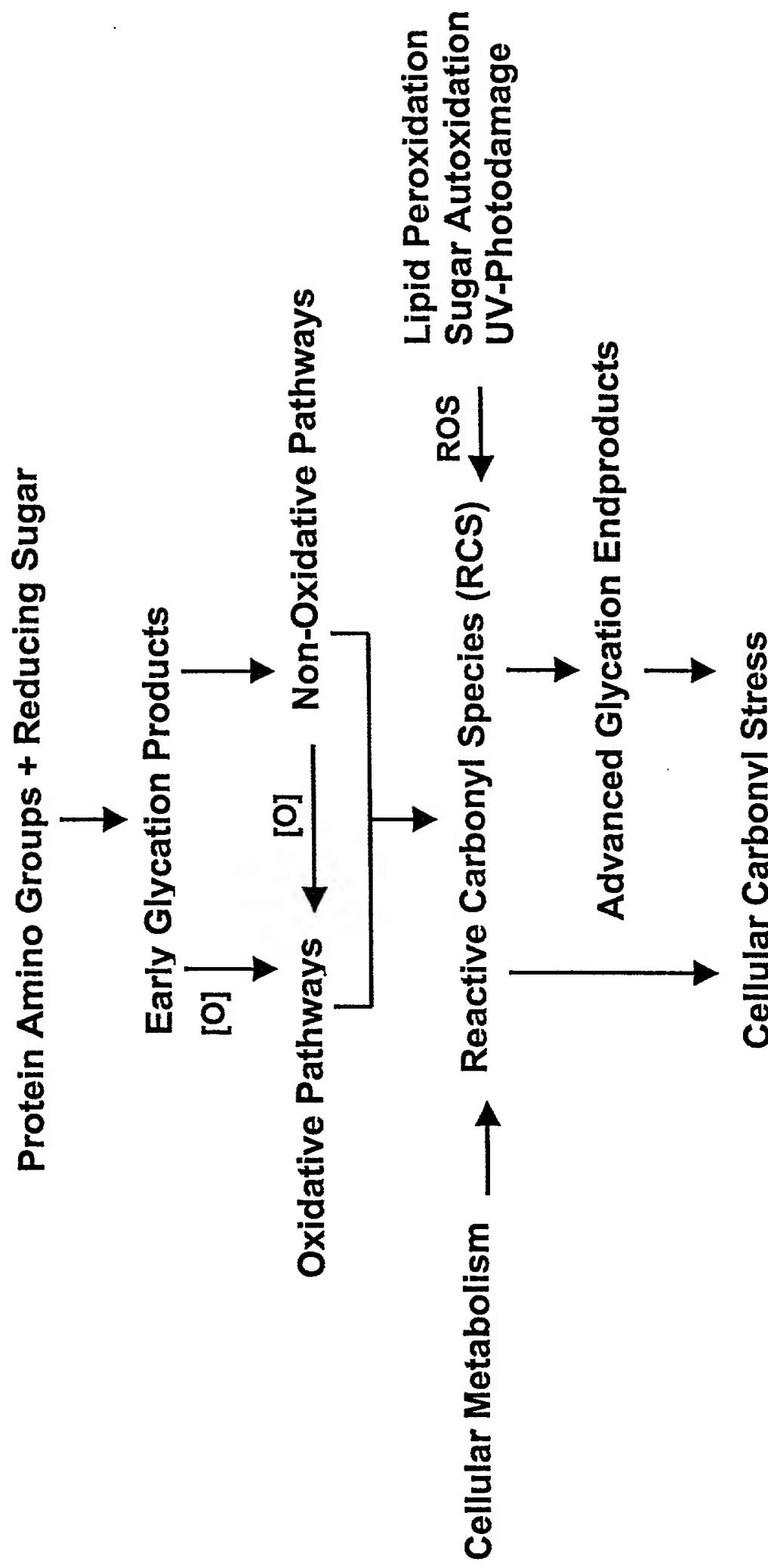
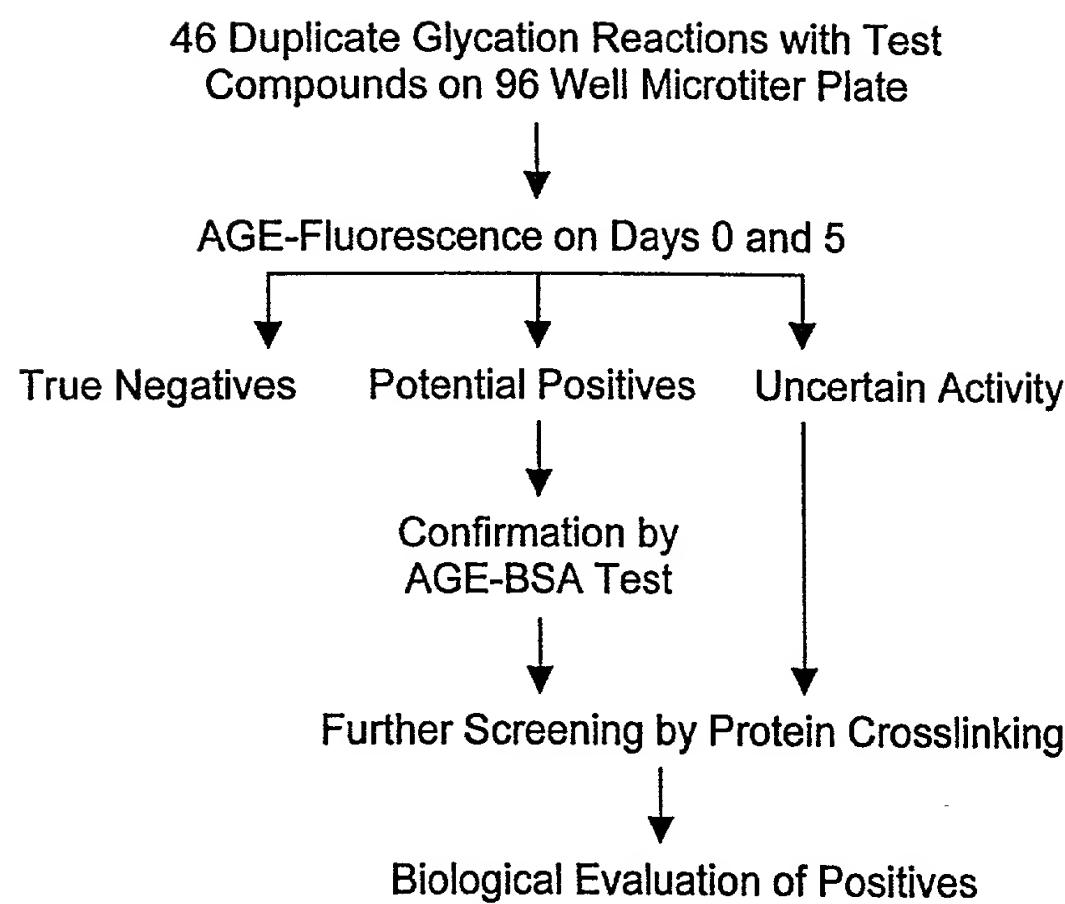


Figure 2



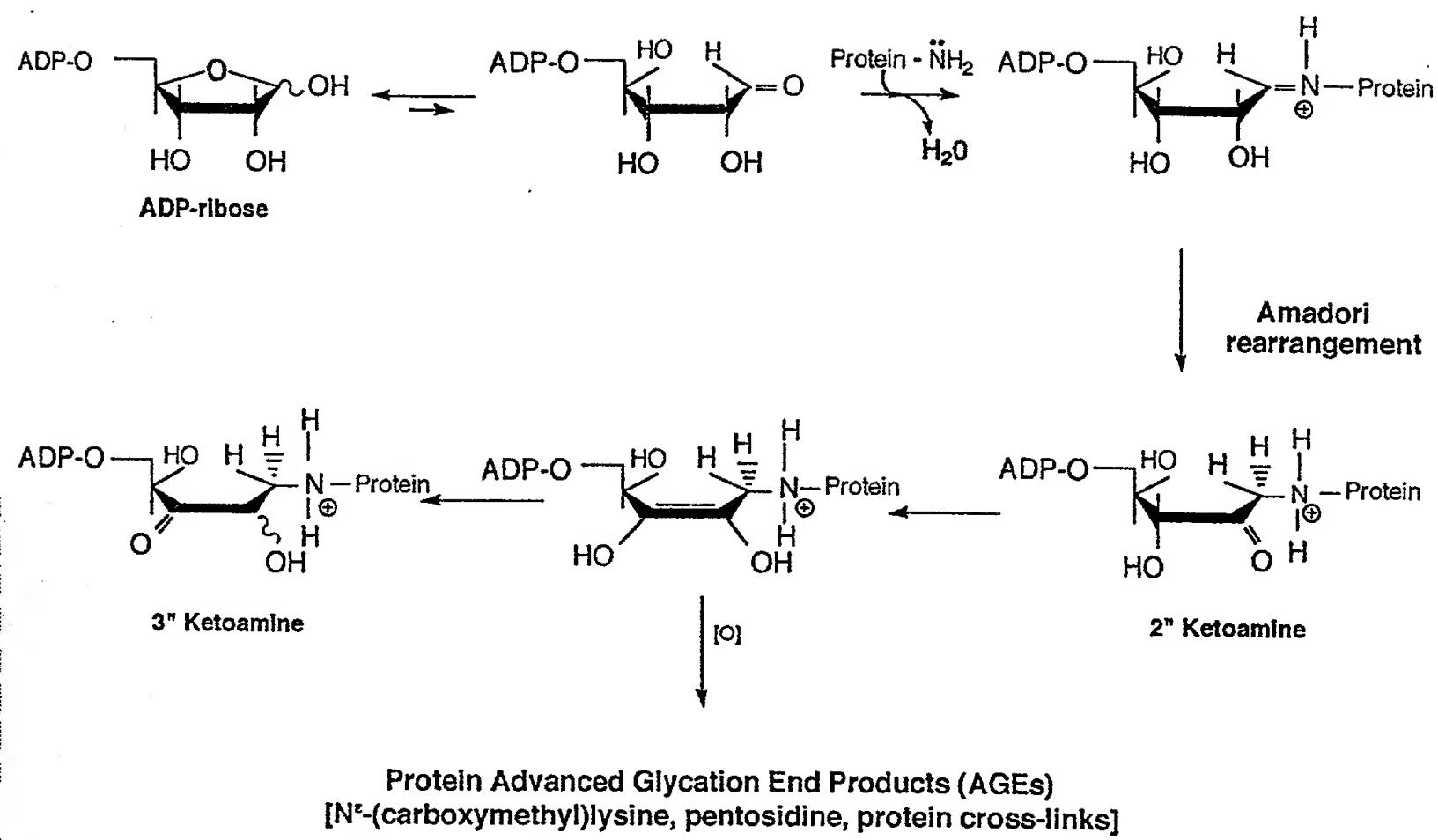


Figure 3

**AGE-Inhibitor Screening:
Time course of AGE-fluorescence**

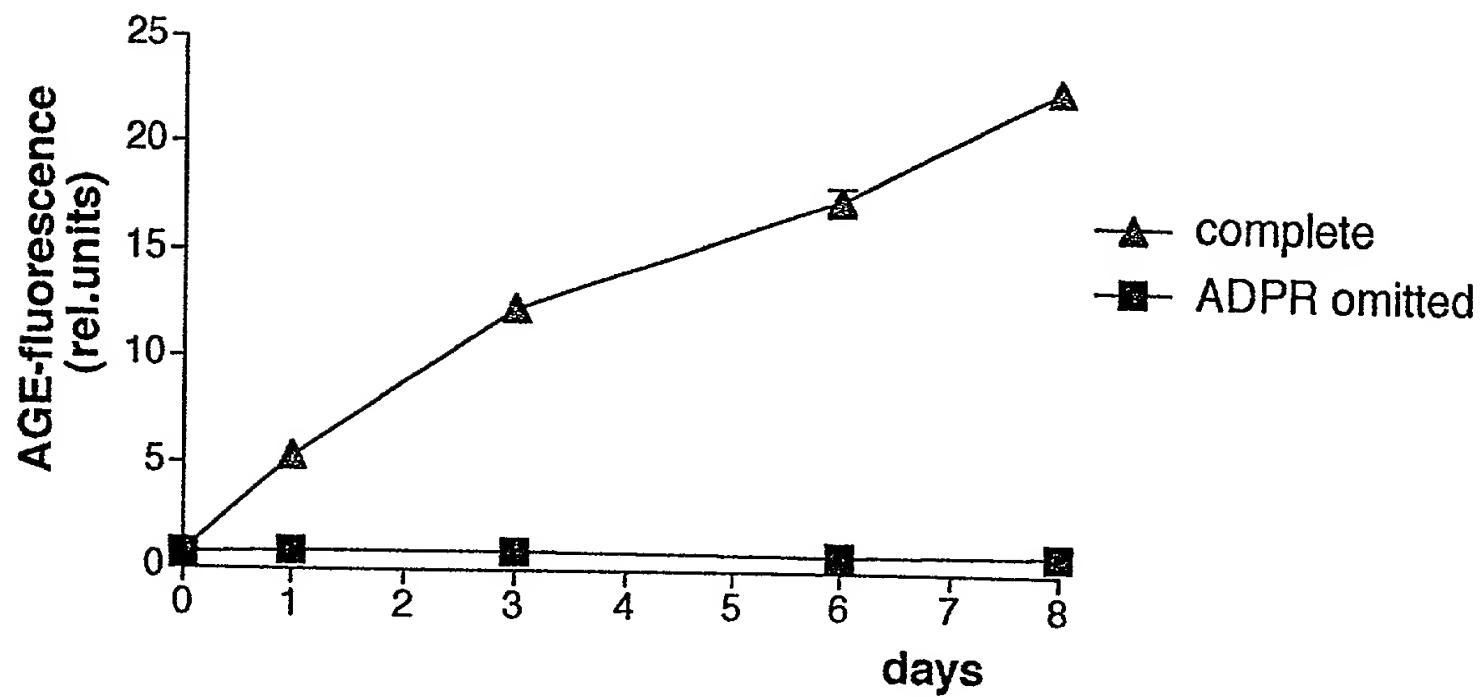


Figure 4

Fluorescence yield of various sugars and histone H1 over 7 days

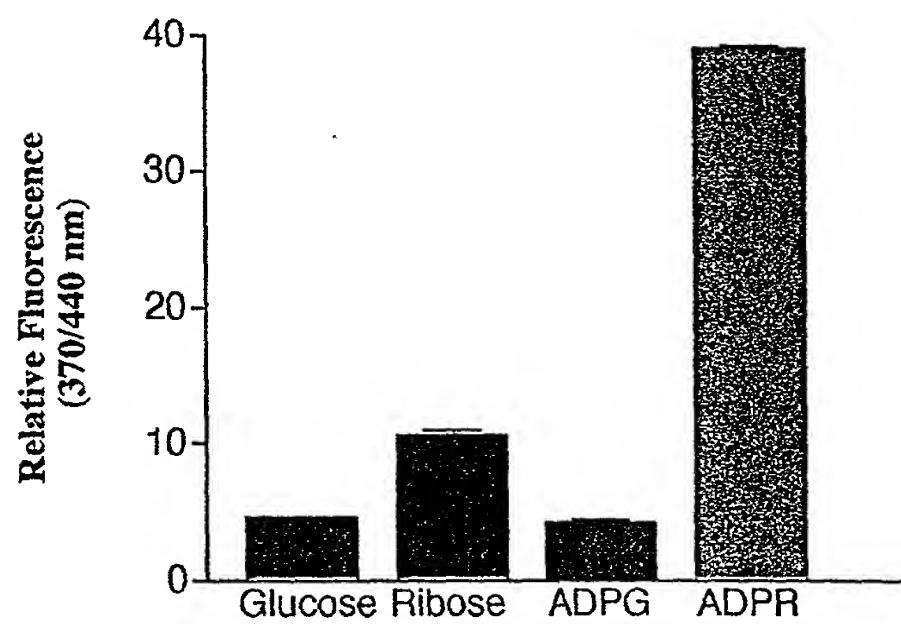


Figure 5

Effectiveness of histone H1 as a target protein for glycation

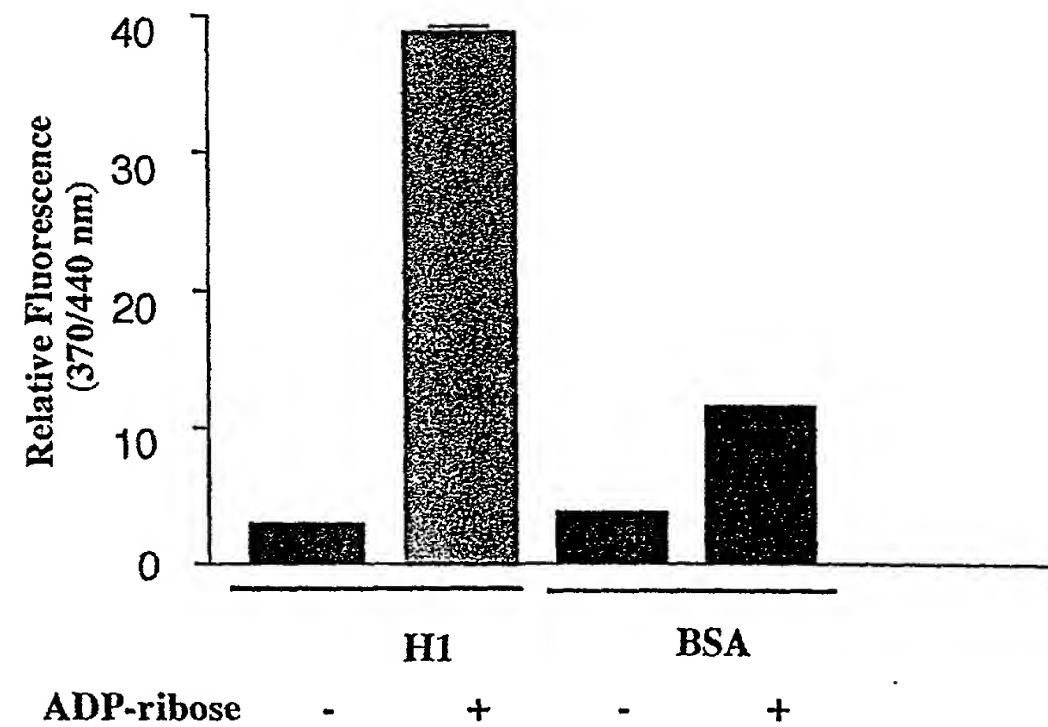


Figure 6

Aminoguanidine inhibits glycation of histone H1 by ADP-ribose

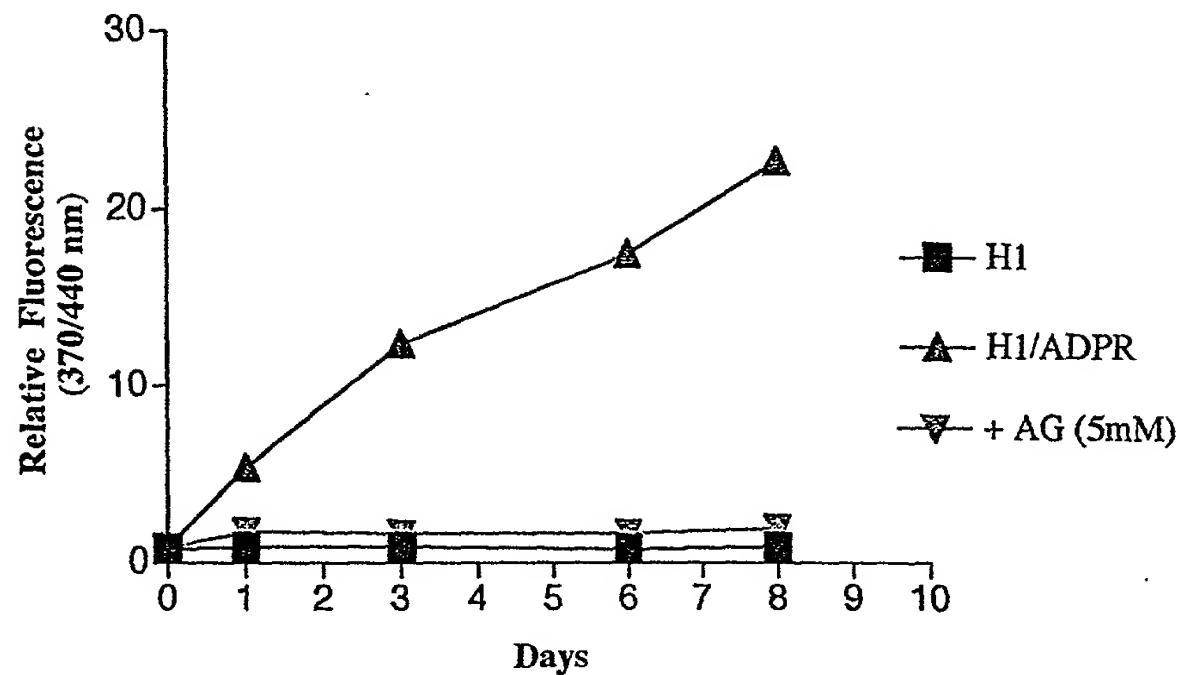


Figure 7

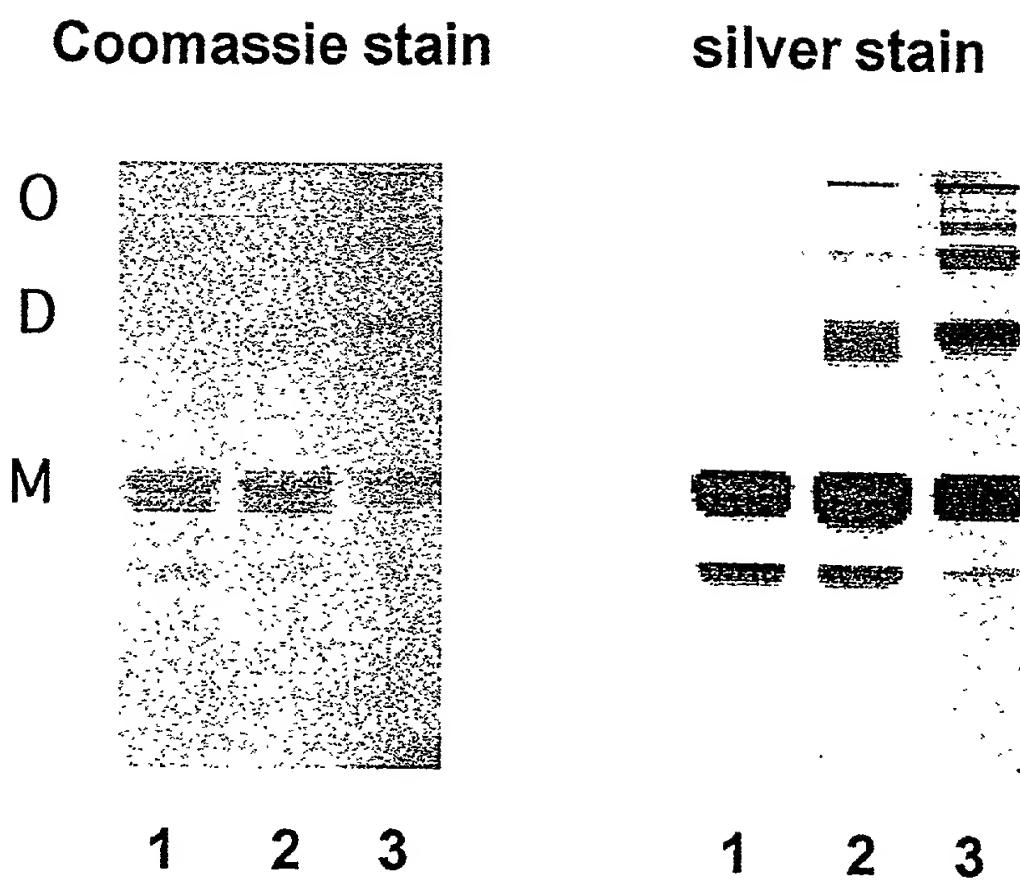


Figure 8



Figure 9

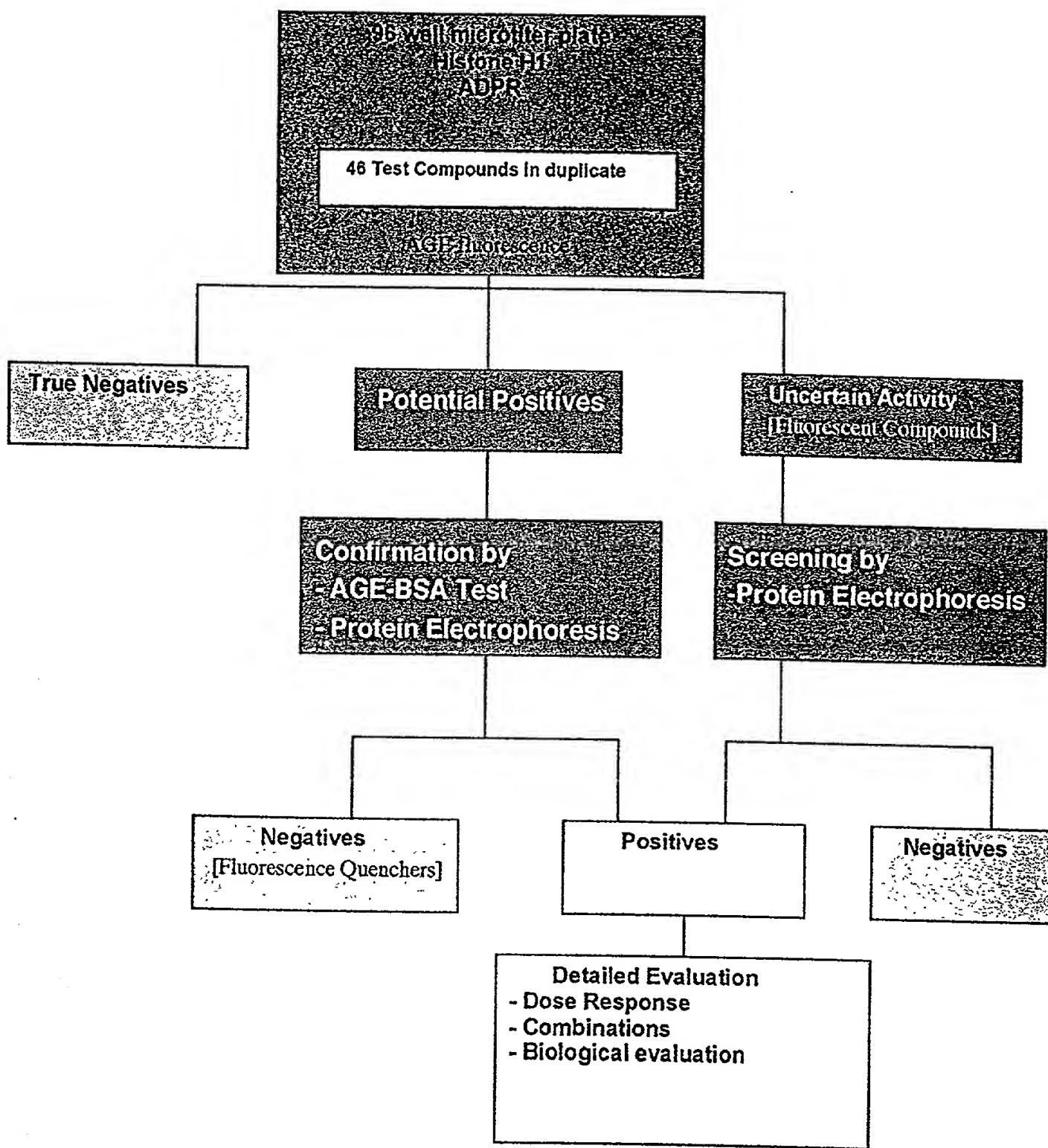


Figure 10

AGE-Inhibitor Screening Example: L-cysteine

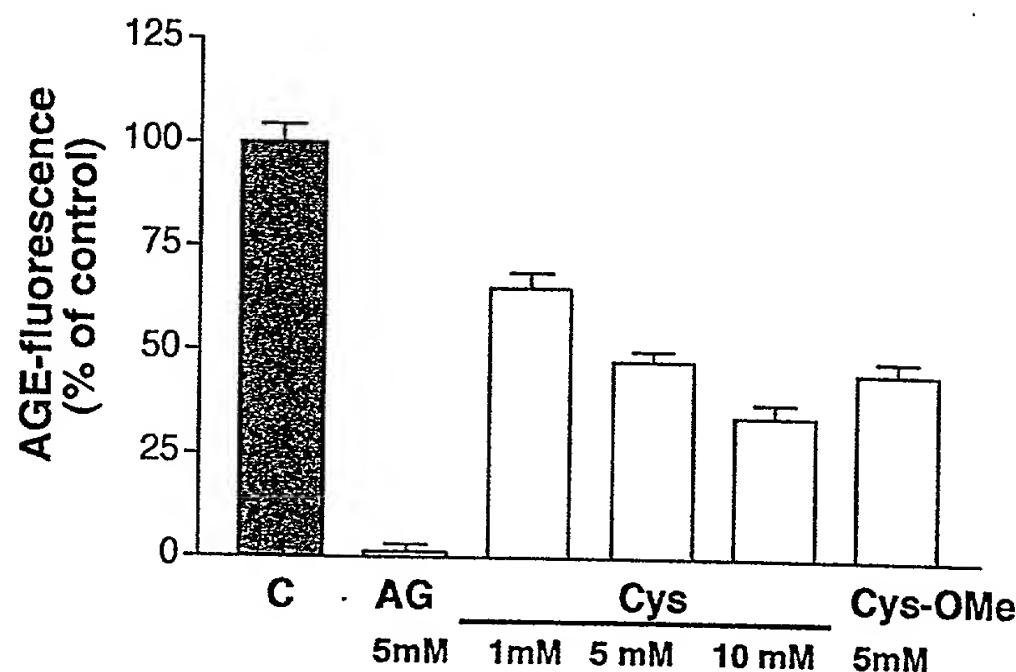


Figure 11

AGE-Inhibitor Screening: True Negatives

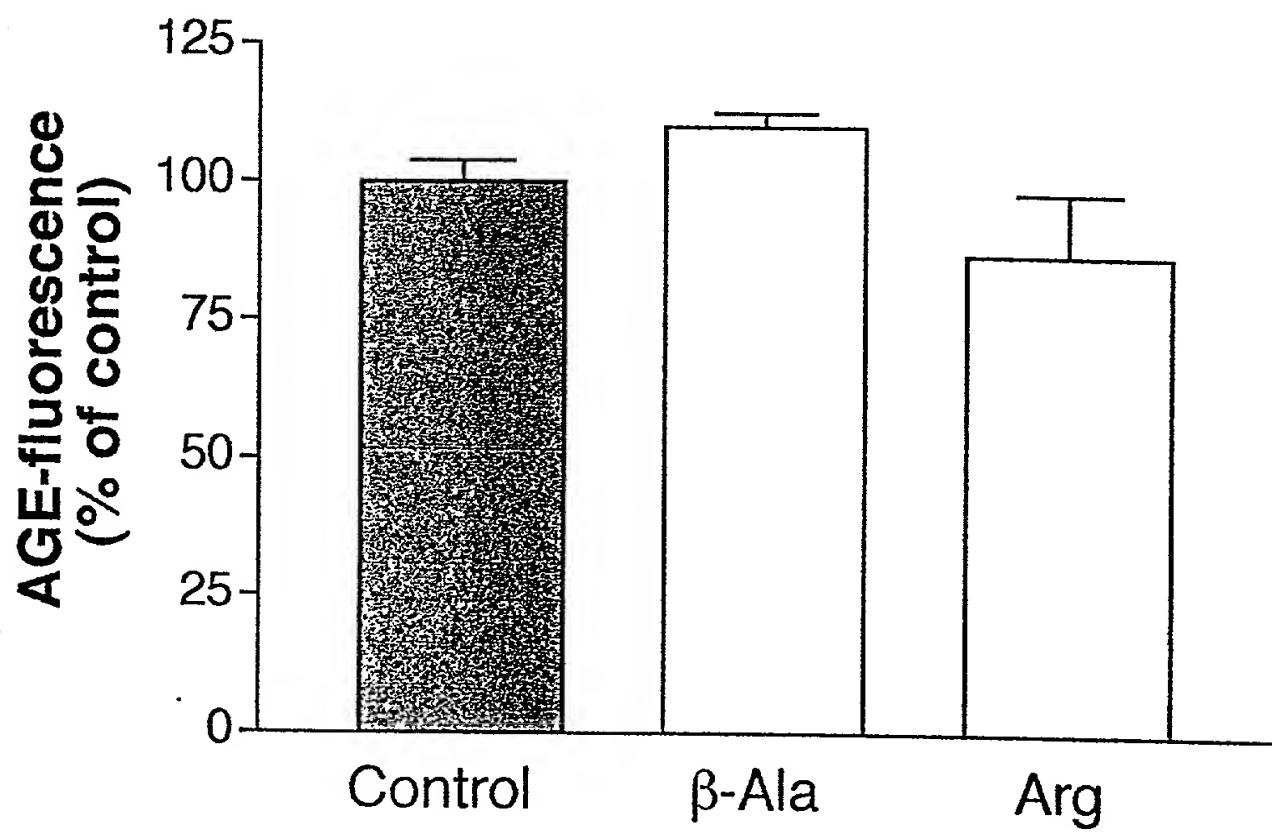


Figure 12

Confirming Potential Positives I: the AGE-BSA Test

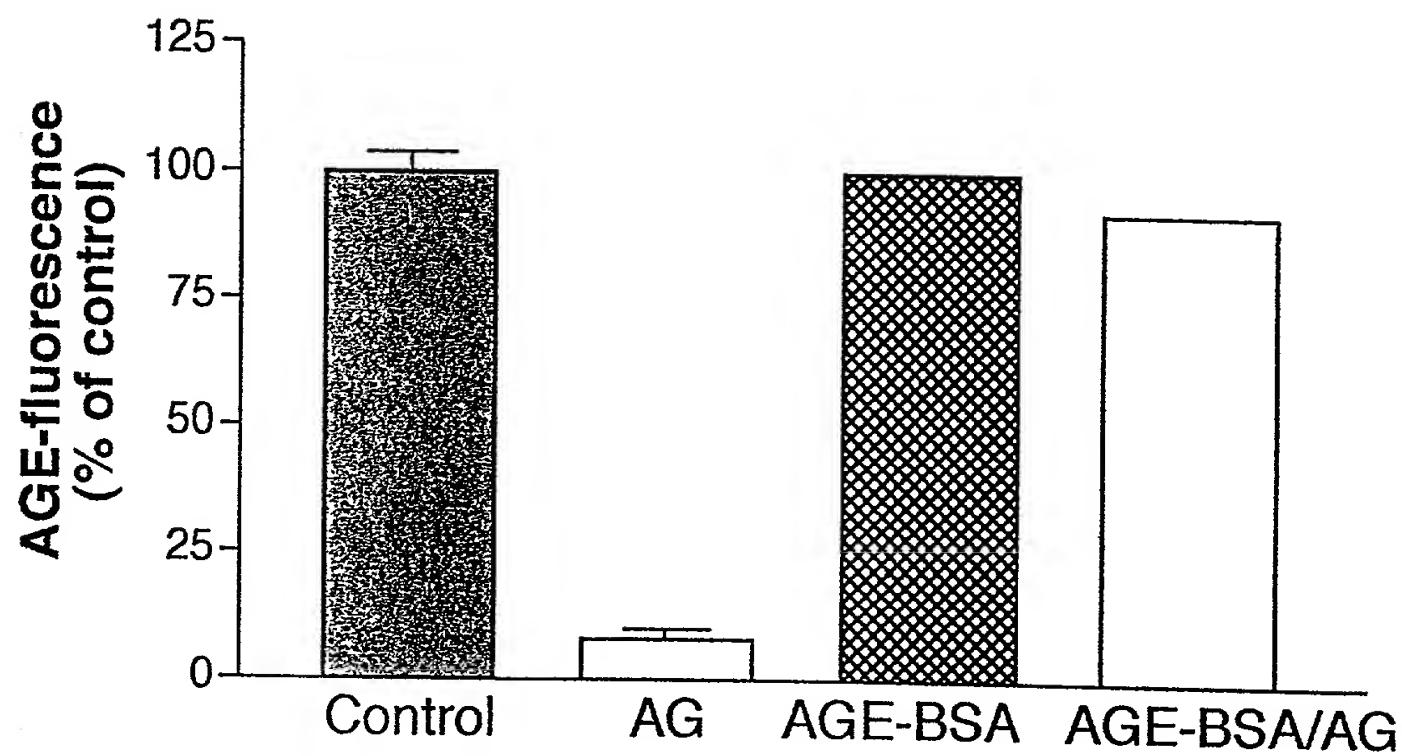


Figure 13

Confirming Potential Positives II: Protein Electrophoresis

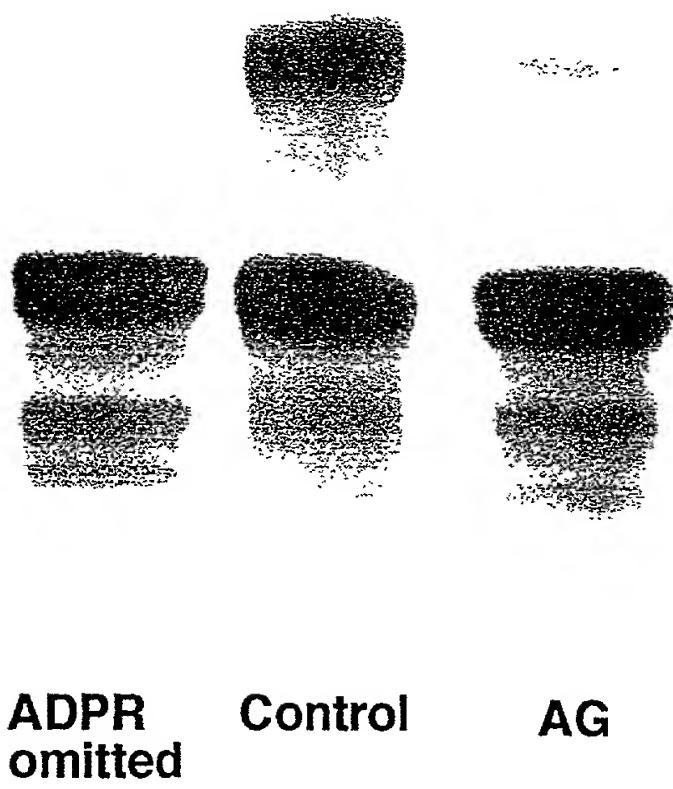


Figure 14

Figure 15

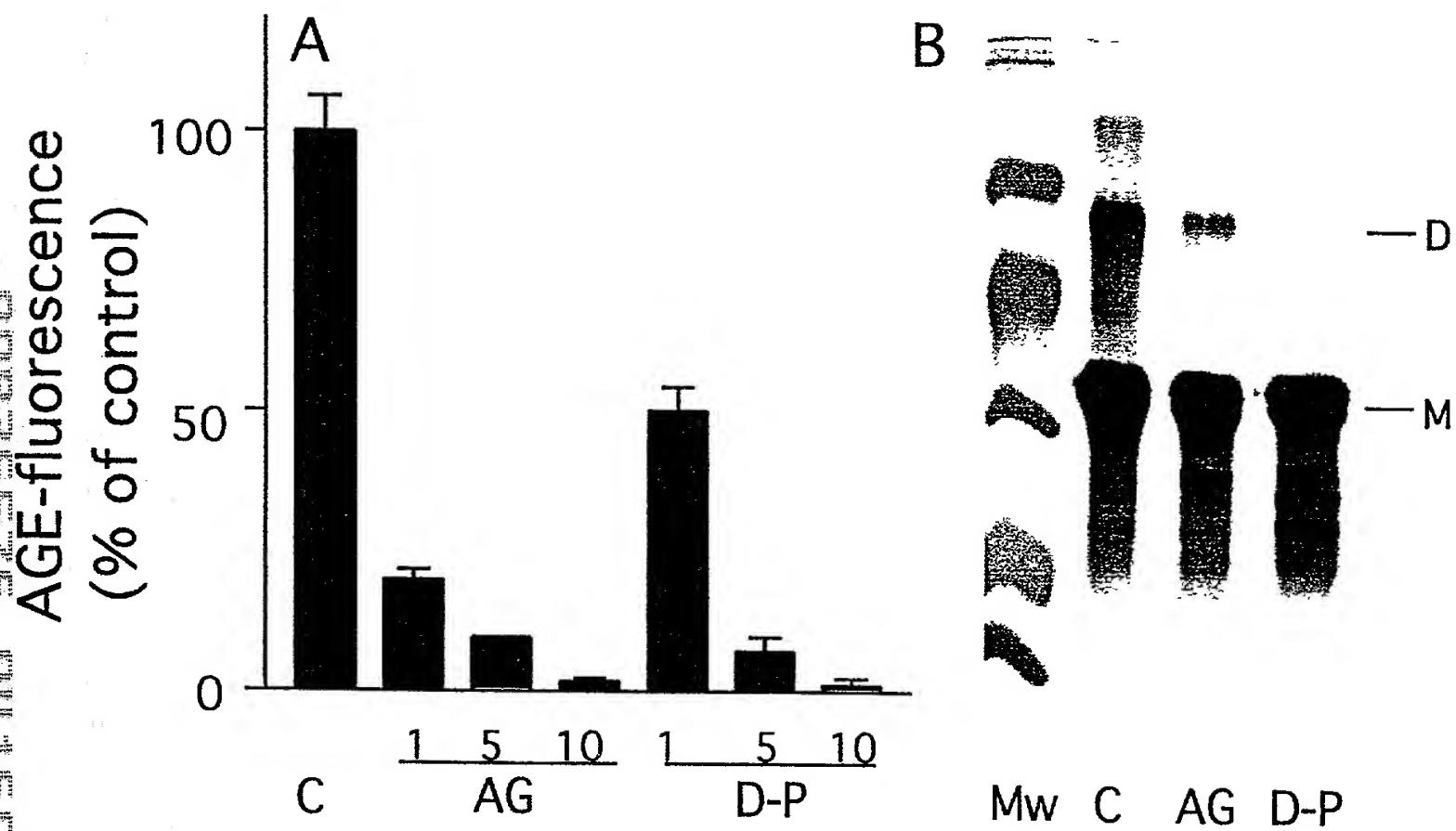
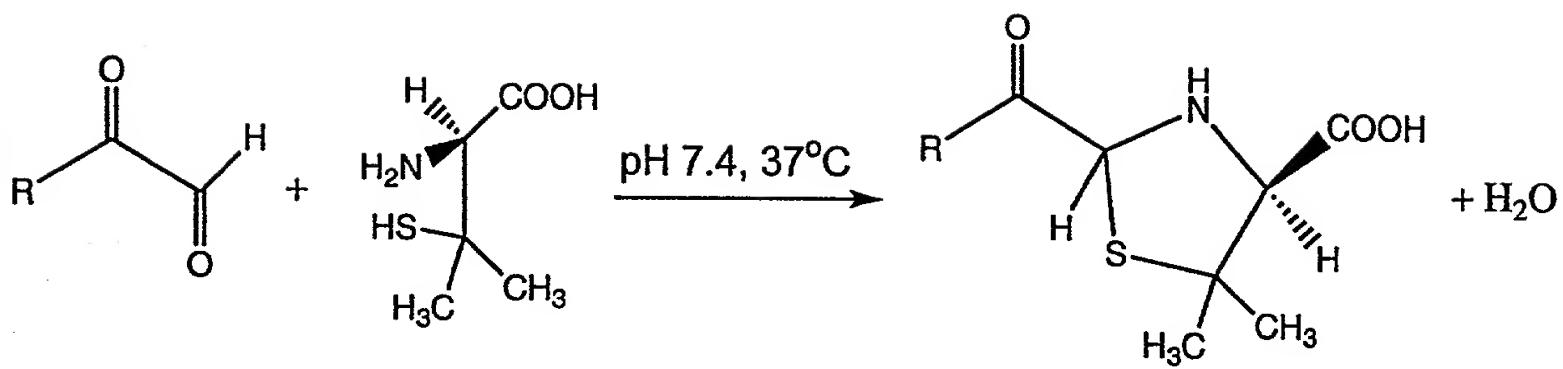
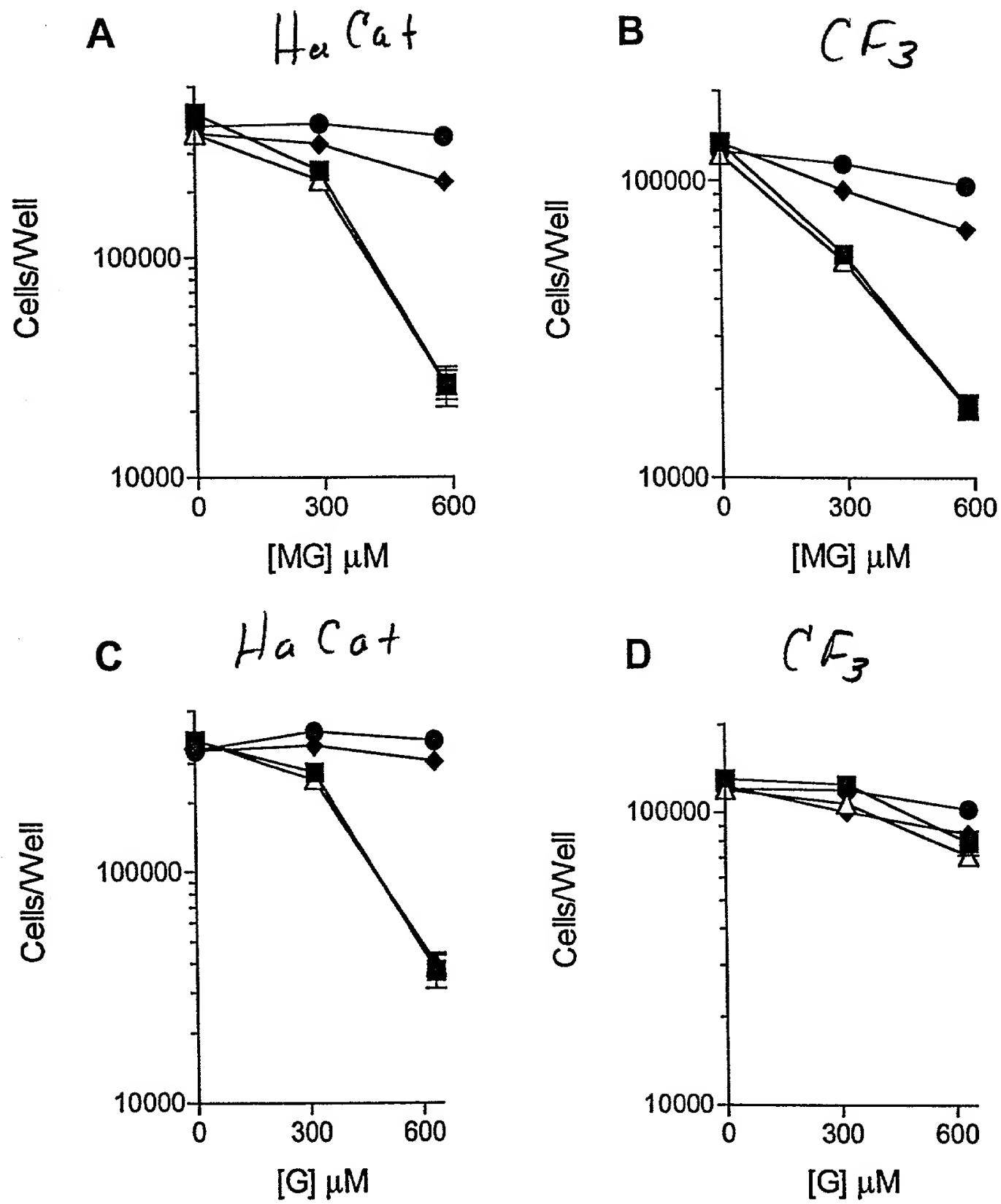


Figure 16



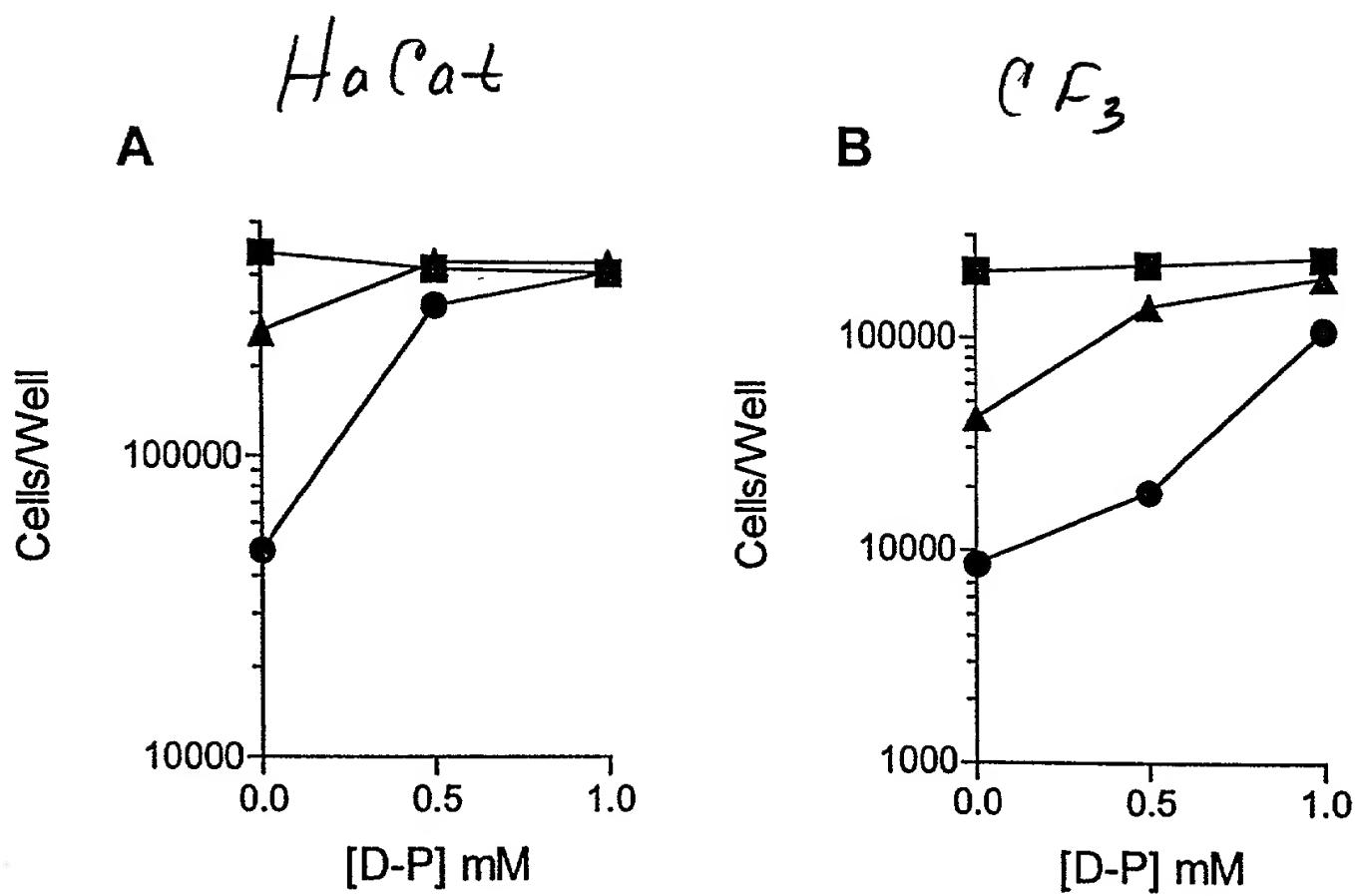
$\text{R} = \text{CH}_3 \text{ or } \text{C}_6\text{H}_5$

Figure 17



■ : d-dicarbonyl alone
△ = L-alanine (1mM)
◆ = amino guanidine
● = D-penicillamine

Figure 18



■ : no methylglyoxal
▲ : methylglyoxal (300 μM)
● : methylglyoxal (600 μM)
D-P : D-penicillamine

Figure 19

